

ABSTRACT OF THE DISCLOSURE

An object of the present invention is to provide a highly functional mediator capable of smoothly proceeding electron transfer between an electrode and a biocatalyst based on the premise that the mediator excels in safety and cost and to provide an electrode and a cell with
5 sufficient amount of such a mediator molecule immobilized efficiently and strongly. The present invention provides a mediator mediating electron transfer between an enzyme and an electrode and containing a quinone molecule derivative, in particular, a mediator containing a VK₃ derivative. In addition, the present invention provides an electrode and a biofuel cell to which those mediators are applied.